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BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

APPROVED TENDER SCHEDULE –'B'

Name of Works:-Drilling of Borewell and providing pipe line at Harohalli, Nagenahlli and Kenchenahalli in ward No:02 of Yelahanka Sub Division

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site , engaging techinical personal and labour required etc., as per Specification and direction	Each	7.00	1900.00	Rupees one thousand nine hundred only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,)	Rmtr			
	0 to 50 m		350.00	287.00	Rupees two hundred eighty seven only
	50 to 100 m		350.00	379.00	Rupees three hundred seventy nine only
	100 to 150 m		350.00	422.00	Rupees four hundred twenty two only
	150 to 200 m		350.00	464.00	Rupees four hundred sixty four only
	200 to 250 m		350.00	513.00	Rupees four hundred thirteen only
	250 to 300m		140.00	550.00	Rupees five hundred fifty and paise zero only

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes)	Rmtr	245.00	1305.00	Rupees one thousand three hundred five only
4	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work	Rmtr	42.00	683.00	Rupees six hundred eighty three only
5	Providing and fixing 175mm Collar	No	28	150.00	Rupees one hundred fifty only
6	Providing and fixing 175mm Borewell cap		7	100.00	Rupees one hundred only
7	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calemall/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by meaans of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete. The pump and motor shall form an integral unit with all the required fittings				
	12.50 HP 20 stage.	No	7	44000.00	Rupees forty three thousands only
8	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threafter at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008.	Rmtr	1880.00	325.00	Rupees three hundred twenty five only
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS.8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 46/ I No. 30-B 4.0 Sqm mm of 36 strands 0.3mm dia Group - A KFWD Electrical SR 2007-08 3/2008-09 4538/19.01.2009 (1x3x4.00 Sqmm PVC cable	Mtr	3760.00	151.00	Rupees one hundred fifty one and paise zero only
10	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost)	No	7.00	1710.00	Rupees one thousand seven hundred ten only

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
11	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,	Each	7.00	285.00	Rupees two hundred eighty five only
12	Supplying of LTUG cable having aluminium conduter PVC insulated shethed galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class	Mtr	175.00	150.00	Rupees one hundred fifty only
	For existing borewell		200.00	150.00	Rupees one hundred fifty only
13	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000	Mtr	175.00	8.00	Rupees eight only
14	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB	Mtr	112.00	60.00	Rupees sixty only
15	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class	Mtr	28.00	240.00	Rupees two hundred forty only
16	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.	No	7.00	260.00	Rupees two hundred sixty only
17	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000	No	7.00	1950.00	Rupees one thousand nine hundred fifty only
18	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 30/I No 3b	No	28.00	100.00	Rupees one hundred only
19	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13	No	7.00	1135.08	Rupees one thousand one hundred thirty five and paise eight only
20	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 84 / I. No. 13.81.3	Nos	7.00	205.20	Rupees two hundred five and paise twenty only
21	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete	No	28.00	80.00	Rupees eighty only

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
22	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No	7.00	350.00	Rupees three hundred fifty only
23	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials wiring complete as requireds 5 to 30 amps, triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No	7.00	1000.00	Rupees one thousand only
24	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21000 sqcm	Sq Cm	529200.00	0.33	Paise thirty three only
25	Supplying and delivery at site brand new ster / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 360/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.	No	7.00	7000.00	Rupees seven hundred only
26	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **(P.81/I.13.37 PWD SR - 2010-11)**	Each	14	1612.44	Rupees one thousand six hundren twell and fourty four paise only
27	Earth work excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs. Including shoring and strutting danger lighting and using sight rails and boning rods at every 100 mtrs wherever necessary as directed in the following strata manual means in hard soil	Cum	486.00	202.00	Rupees two hundred two only
28	Providing and instalation at site of works P.V.C Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.12 item No.3.4.2 b PRED SR 2010-11.**	Rmtr			
	75 mm dia 6 KSC PVC pipe		300.00	117.00	Rupees one hundred seventeen only
	63mm dia 6KSC		1500.00	88.00	Rupeeseighty eight only

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
29	Refilling the basement and pipe line trenches with selected avaiable earth from trench excavation including watering consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead of 200 meters	Cum	486.00	58.00	Rupees fifty eight only
30	KSRB 13 3 2 Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges, HOM of equipments complete as per specifications Specification	Rmtr	35.00	140.40	Rupees one hundred forty and paise forty only
31	Providing and constructing platform in CC 1 2 4 proportion using hard granite or basalt or trap jelly of 20mm down size for india MARK -III (VLOM) hand pump as per approved drawing enclosed to the SK According to IS 13056: 1991 (UNICEF Standards) including machine mixing, laying, tamping curing and smooth finishing to exposed faces in C M 1:3 with necessary moulds including earthwork excavation with all leads for materials etc complete	Each	4.00	7691.76	Rupees seven thousand six hundred ninety one and paise seventy six only
32	KSRB 13-4 1: Making connection of G I. distribution branch with G I. main of 25 to 40mm. nominal bore, including bore, including cutting and threading the pipes, providing and fixing Tee, nuts, labour for all item of works, testing and HOM of equipments complete as per specifications. Specification	Nos	35.00	330.48	Rupees three hundred thirty and paise forty eight only
33	KSRB 13-1 3 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2.51 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications no. KBS13	Nos	150.00	316.44	Rupees three hundred sixteen and paise forty four only
32	50mm Dia GI Coller Heavy Duty	Nos	7	130.00	Rupees one hundred thirty only
33	50 mm dia GI Union	Nos	7	180.00	Rupees one hundred eighty only
34	50mm Dia GI Elbow	Nos	7	120.00	Rupees one hundred twenty only
35	160mm dia Borewell cap with clamp set H/D	Nos	7	695.00	Rupees six hundred ninety five only
36	50mm Dia GM gate Valve IS 778/84	Nos	10	918.00	Rupees nine hundred eighteen only
37	50mm dia GM Non return valve IS:778/84	Nos	26	856.00	Rupees eight hundred fifty six only
	Flange set	Set	20	710.00	Rupees seven hundred ten only
	Public fountain		50	5000.00	Rupees five thousand only
	for Existing borewell		13	18000.00	Rupees eighteen thousand only

Technical Manager-2
KRIDL, BBMP
Bangalore - 560 001

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
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